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(54) Title: COMPOSITIONS AND METHODS FOR REDUCING MICROBIAL INDUCED APOPTOSIS

(57) Abstract: The present invention relates to microbial infection, and in particular, the reduction of apoptosis associated with microbial infection, the screening of agents that reduce apoptosis, and the treatment and analysis of microbial infection *in vivo*. In one embodiment, the present invention relates to agents including but not limited to reducing the activity of Protein Kinase R and/or Toll-like receptor-4.



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